

FIG. 1

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Zebrafish	FPN1	M D S P A S K K P R - - - C E R F R E F F K S A K F L I Y V G H A L S T A N G D	37
Human	FPN1	M S T R G D H H R D R G C C G S S L A D V L T S A K F L I Y L G H S L S T V G D R	40
Mouse	FPN1	M D S K A R D Q T H Q E G C C G S S L A N Y L E T S A K F L I Y L G H S L S T V G D R	40
Zebrafish	FPN1	M W H P A V A V E L V E L Y G N S L L L T A V Y G L V V I A G S V I L L E G A T I G	77
Human	FPN1	M W H P A V A V E L V E L Y G N S L L L T A V Y G L V V I A G S V I L V E G A T I G	80
Mouse	FPN1	M W H P A V A V E L V E L Y G N S L L L T A V Y G L V V I A G S V I L V E G A T I G	80
Zebrafish	FPN1	D W V D K S N P R L K V A Q T S L V V Q N V S V I L C G I L L M M V E I H K H E L	117
Human	FPN1	D W V D K S N A R L K V A Q T S L V V Q N V S V I L C G I L L M M V E I H K H E L	120
Mouse	FPN1	D W V D K S N A R L K V A Q T S C V V Q N V S V I L C G I L L M M V E I H K H E L	120
Zebrafish	FPN1	S S M Y D G I L L T T C Y I M V Y T S I A N I A N I A S T A M S T T I Q R D W V V	157
Human	FPN1	S S M Y H G M V L T S C Y I T I T T I A N I A N I A S T A M S T T I Q R D W V V	160
Mouse	FPN1	S S M Y H G M V L T V C Y I T I T T I A N I A N I A S T A M S T T I Q R D W V V	160
Zebrafish	FPN1	V V A G D D I R S K L A D M I N A T V I I D Q I T N I I A P M L V G Q E M A G S	197
Human	FPN1	V V A G D D I R S K L A D M I N A T V I I D Q I T N I I A P M A V Q I M T E G S	200
Mouse	FPN1	V V A G D D I R S K L A D M I N A T V I I D Q I T N I I A P M A V Q I M T E G S	200
● L -> F			
Zebrafish	FPN1	H F T G C G F I T S G W R I F C H C L E Y E C L V V Q N P A L A P I C A G Q K	237
Human	FPN1	H F T G C G F I T G R I L V S M C V E Y V I L U N K V Y Q K P A L A V K A G Q K	240
Mouse	FPN1	H F T G C G F I T G R I L V S M C V E Y V I L U N K V Y Q K P A L A V K A G Q K	240
Zebrafish	FPN1	D S D D Q I E L K H E N I Q K E T G N T E S P V E A S Q L M T E S S - - - - E	271
Human	FPN1	E - E S E T E L K Q O N L H K D T E P K - - - P I E C T H L M C V K D S M T H E L E	277
Mouse	FPN1	V - E S E T E L K Q O N L S P K D T E P K - - - P I E C T H L M C V K D S M T H E L E	277
Zebrafish	FPN1	P K K D T G E C Y Q M A E P I R T S K D E G V A Y Y N H O S I F F A G H S A A P	311
Human	FPN1	H E Q E P T C W A S Q M A E P I R T S K D E G V S Y Y N H O P V E L A G M G L A I P	317
Mouse	FPN1	C E Q E P T C W A S Q M A E P I R T S K D E G V S Y Y N H O P V E L A G M G L A I P	317
Zebrafish	FPN1	V M T V L G E D C I I T T C Y A Y T Q Q E H Q S V U S L L M G A S A V S G I C G S	351
Human	FPN1	V M T V L G E D C I I T T C Y A Y T Q Q L S G S T I S T I L M G A S A T T G I M G	357
Mouse	FPN1	V M T V L G E D C I I T T C Y A Y T Q Q L S G S T I S T I L M G A S A T T G I M G	357
Zebrafish	FPN1	V A F T W I R K K C G L I R T G F I A G V T O S C E T I L C V A S V F A P G S P	391
Human	FPN1	V A F T W I R R K C G L I R T G F I S I A C S G A I V I C V T S V F M P P G S P	397
Mouse	FPN1	V A F T W I R R K C G L I R T G F I S I A C S G A I V I C V T S V F M P P G S P	397
● C -> Stop			
Zebrafish	FPN1	F D L S V S P P K E V L R H L P G D S G S L R E S - - - P T F I P I T T E P P I -	427
Human	FPN1	F D L S V S P P K E V D R S R H I Q G E S I T T - K I P E - - - I T T E I Y M S	433
Mouse	FPN1	F D L S V S P P K E V D R S R E V V N V E P V S P S T T K I P E T V F I T T E M H M S	436
Zebrafish	FPN1	--- Q A N V T V F E A P P V E S Y M S V G L L E A G V I A A R V G L W S F D	464
Human	FPN1	N G S M S A N I V P E T I S P E S V P T I S V S L L E A G V I A A R T G L W S F D	473
Mouse	FPN1	N M S N - - - V H E M S T K P I P I V S V S L L E A G V I A A R I G L W S F D	472
Zebrafish	FPN1	L T V T Q I Q E N V I E S I E R G V I H G V Q N S M N Y L D L L H F I M V I L	504
Human	FPN1	L T V T Q I Q E N V I E S I E R G V I H G V Q N S M N Y L D L L H F I M V I L	513
Mouse	FPN1	L T V T Q I Q E N V I E S I E R G V I H G V Q N S M N Y L D L L H F I M V I L	512
Zebrafish	FPN1	A P H P E A F G L E V I T S V S F V A M G I M M Y E R E A Y K S U G S R I P F L	544
Human	FPN1	A P H P E A F G L E V I T S V S F V A M G I M M Y E R E A Q N T L G K I P F A -	552
Mouse	FPN1	A P H P E A F G L E V I T S V S F V A M G I M M Y E R E A Q K T L G H Q I E V -	551
Zebrafish	FPN1	G S P E Q K P D P H I - P S L P N S V	562
Human	FPN1	G G P D A K S E V R K E N Q A I T S V V	571
Mouse	FPN1	G G P D E K E V T D E N Q P N T S V V	570

FIG. 2

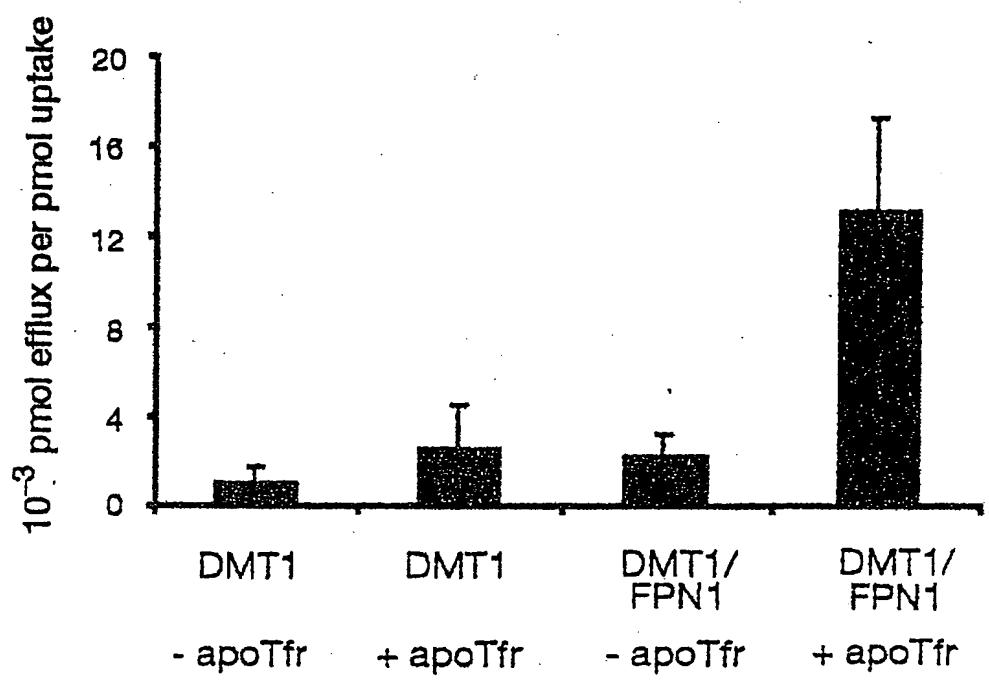


FIG. 3